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IAP2 Rec'd PCT/PTO 29 SEP 2006

Docket No.: 1254-0328PUS1  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Patent Application of:  
Kazuwa NAKAO et al.

Application No.: NEW

Confirmation No.: N/A

Filed: September 29, 2006

Art Unit: N/A

For: THERAPEUTIC OR PROPHYLACTIC AGENT  
FOR ARTHRITIS

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

Copies of the references on the PTO/SB/08 are not provided.

US Publication No. 2003/0068313 and US Patent No. 6,743,425 corresponds to JP Patent No. 2003-113116. US Patent No. 4,446,129 corresponds to JP Patent No. 59-51221, US Publication No. 2004/0138285 corresponds to WO 02/087620. US Patent No. 5,340,920 corresponds to JP Patent No. 4-74198.

Application No.: NEW

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A concise explanation of relevance of the items listed on form PTO/SB/08 is in the form of an English language copy of a Search Report from a foreign patent office, issued in a counterpart application, which refers to the relevant portions of the references.

Those documents which are marked with a double asterisk (\*\*) next to the Cite No. in the attached form PTO/SB/08 (facsimile) are not supplied because they were previously cited by or submitted to the Office in a prior application number PCT/JP2005/006831 file March 31, 2005.

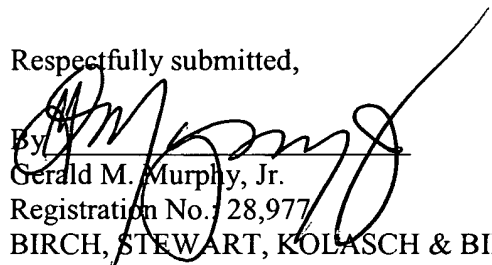
In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to our Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Dated: September 29, 2006

Respectfully submitted,

  
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<b>Substitute for form 1449A/B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	NEW
				Filing Date	September 29, 2006
				First Named Inventor	Kazuwa NAKAO
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	1254-0328PUS1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA*	US-2003/0068313-A1	06-01-2004	Nakao	
	AB*	US-6,743,425-A1	06-01-2004	Nakao et al.	
	AC*	US-4,446,129	05-01-1984	Sawada et al.	
	AD*	US-2004/0138285-A1	07-15-2004	Okazaki	
	AE*	US-5,340,920	08-23-1994	Matsuo et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA**	JP-2003-113116-A	04-18-2003			ISR
	BB**	JP-2002-356437-A	12-13-2002			ISR
	BC**	JP-59-51221-A	03-24-1984			ISR
	BD**	WO-02/087620-A1	11-07-2002			ISR
	BE**	JP-4-74198-A	03-09-1992			ISR
	BF**	JP-4-327598-A	11-17-1992			ISR
	BG**	JP-11-196873-A	07-27-1999			ISR

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an single asterisk (\*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. \*\* CITE NO.: Those document(s) which are marked with an double asterisk (\*\*) next to the Cite No. are not supplied because they were previously cited by or submitted to the Office in a prior application relied upon in this application for an earlier filing date under 35 U.S.C. 120. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
	CA**	Yasato KOMATSU et al., Clinical Calcium, 2003, 13(12), pages 1578 to 1581			ISR
	CB**	YASODA, A et al., J. Biol. Chem., 1998, 273(19), pages 11695 to 11700			ISR
	CC**	Yasato KOMATSU, Heisei 15 Nendo Sokatsu Buntan Kenkyu Hokokusho (Kosei Rodo Kagaku Kenkyuhi Hojokin Human Genome Saisei Iryo Nado Kenkyu Jigyo), 2004, March, pages 10 to 13			ISR
	CD**	Hiroshi KAWAGUCHI, Journal of Clinical Medicine, 2005, 63 (Zokango 1), pages 676 to 679			ISR

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*\* CITE NO.: Those document(s) which are marked with an double asterisk (\*\*) next to the Cite No. are not supplied because they were previously cited by or submitted to the Office in a prior application relied upon in this application for an earlier filing date under 35 U.S.C. 120.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

GMM

Examiner Signature		Date Considered	
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